

CLAIMS

1. An information recording/reproduction apparatus for performing a preprogrammed recording of information distributed
5 at a predetermined time from a predetermined distribution source to predetermined information recording means, based on preprogrammed recording settings determined before the time of distribution, the information recording/reproduction apparatus comprising:

10 recording/reproduction means for recording and reproducing the information;

preprogrammed recording specifying means for specifying, as the preprogrammed recording settings, a date of distribution, the time of distribution, the distribution source of the
15 information, and information recording means;

preprogrammed recording setting displaying means for displaying the preprogrammed recording setting on a two dimensional matrix defined by the date of distribution and the information recording means, and the time of distribution;

20 preprogrammed recording setting specifying means for specifying each preprogrammed recording setting displayed on the two dimensional matrix;

preprogrammed recording setting displaying means for displaying the specified preprogrammed recording setting; and

25 preprogrammed recording setting editing means for editing

the displayed preprogrammed recording setting.

2. The information recording/reproduction apparatus according to claim 1, comprising a preprogramming setting redundancy displaying means for, when at least two of the
5 preprogrammed recording settings are redundant with respect to at least a portion of the date of distribution and the time of distribution, displaying an alarm showing the preprogrammed recording settings being redundant.

3. The information recording/reproduction apparatus
10 according to claim 2,

wherein the preprogramming setting redundancy displaying means causes the alarm to be displayed through altering either a display design or a displaying color.

4. The information recording/reproduction apparatus
15 according to claim 3,

wherein the preprogramming setting redundancy displaying means displays a number of preprogrammed recording settings which are redundant.

5. The information recording/reproduction apparatus
20 according to claim 1 further comprising executing preprogrammed recording setting displaying means for displaying, among the preprogrammed recording settings, any preprogrammed recording setting whose preprogramming recording is under execution so as to be distinguishable from any preprogrammed recording setting
25 whose preprogrammed recording is not under execution.

6. The information recording/reproduction apparatus according to claim 1 further comprising a completed preprogrammed recording setting displaying means for displaying, among the preprogrammed recording settings, any preprogrammed recording
5 setting whose preprogrammed recording is completed so as to be distinguishable from any preprogrammed recording setting whose preprogrammed recording is not completed.

7. The information recording/reproduction apparatus according to claim 5,

10 wherein the preprogrammed recording setting displaying means allows a desired date to be selectively inputted from a calendar display for realizing either inputting or alteration of the date of distribution in the preprogrammed recording setting.

8. The information recording/reproduction apparatus
15 according to claim 1,

wherein at least one of the recording/reproduction means is connected externally to the information recording/reproduction apparatus.

9. The information recording/reproduction apparatus
20 according to claim 1 further comprising automatic preprogrammed recording setting changing means for, in response to an alteration of the time of distribution, altering the preprogrammed recording setting by automatically finding an optimum recording/reproduction means.

25 10. The information recording/reproduction apparatus

according to claim 1,

wherein the preprogrammed recording setting displaying means is automatically pop-up displayed when each preprogrammed recording setting is specified by the preprogrammed recording setting specifying means.

11. The information recording/reproduction apparatus according to claim 1 further comprising plural data simultaneous recording means for performing plural data recordings by a parallel processing operation on one videorecording device.

10 12. The information recording/reproduction apparatus according to claim 1 further comprising:

electronic program table shifting means for shifting to an electronic program table; and

15 electronic program table data setting means for allowing a setting content in an electronic program table to be reflected through executing a preprogrammed selection, and allowing information data such as a program title or stereo in the electronic program table to be set and recorded.

13. The information recording/reproduction apparatus according to claim 1 comprising automatic preprogrammed recording setting generation means for selecting optimum recording/reproduction means for a new preprogrammed recording setting, based on an existing preprogrammed recording setting related to the information recording means.

25 14. The information recording/reproduction apparatus

according to claim 13,

wherein the optimum recording/reproduction means is connected to a network.

15 15. The information recording/reproduction apparatus according to claim 1 comprising automatic recording resetting means for reconstructing preprogrammed recording settings so as to optimize a constraint on hardware arising from the combination of the information recording means and the recording/reproduction means.

10 16. The information recording/reproduction apparatus according to claim 1 comprising automatic recording setting means for, in a new recording preprogrammed setting, automatically generating an optimum preprogrammed recording setting, if the date of distribution, the time of distribution, and the distribution
15 source are specified with the preprogrammed recording specifying means.

17. The information recording/reproduction apparatus according to claim 1 further comprising preprogrammed recording setting changing means for diverting, when the information is
20 incapable of being recorded properly, a recording destination of the information to another videorecording device medium or to a medium of another device.

18. The information recording/reproduction apparatus according to claim 1 comprising menu means for performing a
25 reproduction, a deletion, or a dubbing of information whose

preprogrammed recording is complete.

19. The information recording/reproduction apparatus according to claim 1 comprising menu means for enabling simultaneous recording and reproduction of information whose
5 preprogrammed recording is under execution.

20. The information recording/reproduction apparatus according to claim 1 further comprising:

remaining capacity detection means for detecting a recordable capacity in the recording/reproduction means; and
10 recording capability determining means for displaying an alarm indicating a recording incapability when the detected capacity falls short of the recording time specified by the preprogramming setting.

21. The information recording/reproduction apparatus
15 according to claim 20 further comprising preprogrammed recording optimizing means for, when the remaining capacity falls short of the recording time specified by the preprogramming setting, setting preprogrammed recordings up to a limit of recording possible with the remaining capacity.

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